

ABSTRACT

Methods and apparatus are disclosed for performance measurement of different network routes between devices. Typically, a network includes multiple paths between a first device and a second device. A first performance test is conducted over a first path
5 between the first and second devices. A second performance test is also conducted over a second path between the first and second devices. These first and the second performance tests are performed simultaneously or within a close time proximity so that comparative data can be derived. These tests may be conducted in response to client requests, which
10 may be scheduled to limit the interference with tests conducted by the same or other client. The types of performance tests performed is extensible, and may include, *inter alia*, any network, transport layer or other measurements, such as, but not limited to network layer round trip latency, loss, one-way jitter, and hop count.